Project Descriptions for August 3, 2016

Board of Trustees Meeting

Clean Water Commitments

Manchester-by-the-Sea CW-16-08
This is a Community Septic Management Program loan.

Plymouth CW-16-07
This project is for the emergency sewer forcemain repair and replacement in the Town of Plymouth, that is needed due to several breaks and resulting findings of excessive deterioration of the existing 30 inch ductile iron forcemain. The project will consist of three contracts; 1A Emergency Response and bypass systems, 1B Existing Forcemain- Slipline and replacement and 2 Redundant 24 inch sewer forcemain.

Clean Water Agreements

Fall River CWP-16-03
The Globe Street Sewer Improvements includes upsizing approximately 720 linear feet of combined sewer from 33-inches to 66-inches. The work will stretch from Globe Four Corners to the Globe Street CSO Tunnel Junction Chamber. Upsizing the sewer to the CSO Tunnel Junction chamber will allow combined sewage to flow unobstructed to the CSO Tunnel Drop Shaft, eliminating the conveyance restriction that causes flooding, surcharging and combined sewer backups at Globe Four Corners.

Fitchburg CWP-13-01-A
The City of Fitchburg is under an Administrative Order with the MassDEP and EPA to reduce the amount of combined sewer overflows into the Nashua River. Therefore, the city has been undertaking a series of projects to separate its sanitary sewers from its storm drainage sewers. The City of Fitchburg owns and operates a wastewater collection system and treatment facility that serves the City of Fitchburg, Town of Westminster and a portion of Town of Lunenburg. The Easterly Wastewater Treatment Facility (WWTF) treats an average daily dry weather flow of about 6 MGD, but receives under peak wet weather flows of up to 40 MGD due to inflow and infiltration. The WWTF discharges its treated effluent through an outfall to the North Branch of Nashua River, which is currently being studied for excessive nutrient levels. The Nashua River is a tributary for both the Lowell and Lawrence drinking water supplies. The wastewater treatment facility frequently activates a secondary treatment bypass during wet weather flow due to excessive inflow and infiltration from the collection system. The general scope of work for the CSS 4D projects consists of separating approximately 24,000 linear feet of combined sewers by installing new drainage pipe (or sanitary sewer pipe), connecting existing catch basins to the separate storm sewer, replacing existing catch basins, and rehabilitating existing combined sewers and manholes as necessary. The existing combined sewer overflow outfalls 033, 024, and 072 and any overflow piping within the project area are anticipated to be disconnected from

the sanitary system and the existing outfalls will be reused for the storm water flows from the separate storm drain system.

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